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THE QUALITY OF ANTIPNEUMOCOCCIC AND ANTIMENINGOCOCCIC SERUMS.

In order that those who use antipneumococcic and antimeningococcic serums shall be assured that such of these serums as are sold in interstate traffic are suitable for therapeutic purposes, each lot of these products made by the various manufacturers is tested at the Hygienic Laboratory of the United States Public Health Service prior to being placed on the market.

The quality of antipneumococcic serum is judged by its protective value against Type I pneumococci, using mice for test purposes.

Antimeningococcic serum is tested by agglutination and complement fixation tests, such as prove satisfactory by either test being passed.

EFFECT OF FREEZING ON THE ORGANISMS OF TYPHOID FEVER AND DIPHTHERIA.[1]

By JOSEPH BOLTEN, Passed Assistant Surgeon, United States Public Health Service.

The occurrence during the summer of 1917 of an outbreak of diphtheria [2] and one of typhoid fever,[3] which seemed properly attributable to the ingestion of infected ice cream, constituted the reason for determining, under experimental conditions, how long the typhoid bacillus and the diphtheria bacterium would survive freezing, and whether freezing had any influence on the pathogenicity of the latter organism.

Results with B. typhosus.

To determine the length of time typhoid organisms would live in cream that had been frozen solid, the following experiment was undertaken on October 4, 1917.

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[1] From the Hygienic Laboratory.

[2] McCoy, Bolten, and Bernstein, Public Health Reports, vol. 32, No. 43, Oct. 26, 1917, pp. 1787-1804.

[3] Personal communication from Surgeon L. L. Lumsden.

Four metal containers were sterilized and partly filled with 50 cubic centimeters of pasteurized cream. These were then inoculated with 5 cubic centimeters of a 24-hour broth culture of *B. typhosus* (Rawling's), and immediately placed in a brine tank, where they were frozen within a short period. They were permitted to remain in this condition for 24 hours, when they were removed and partly melted by placing in a 37° C. water bath for 15 to 20 minutes. A loopful of material from each container was streaked over an Endo plate. The containers were then replaced in the brine tank and the Endo plates incubated at 37° C. for 24 hours. The next day the procedure was repeated. From the Endo plates, inoculated during the preceding day, typical typhoid colonies were fished into two nutrient broth tubes and on one Russell slant tube. These were incubated at 37° C. for 24 hours. The next day, macroscopic agglutination tests were performed. One drop of a high titer antityphoid serum, 1:2,000, was placed in one broth tube, while the second broth tube was used as a control. The tubes were incubated at 37° C. for half an hour. At the end of this period all the tubes to which serum had been added showed a heavy flocculent precipitate. The Russell slant tube showed a red butt, with no gas and unchanged slant.

This experiment was done daily from October 4 to November 1. After this date it was performed every second day, to November 28. During the first few days there was very little change in the number of colonies per plate, but after 10 days to two weeks there were about half the number, as compared with the original plates. At the end of the month, the number of colonies developed were very few, probably less than one-twentieth of the number of colonies that developed on the first few days.

From November 28 to December 17 the containers were left undisturbed in the brine tank On December 17 the experiment was resumed. The typhoid organisms in two containers were apparently dead, as no growth appeared on the Endo plates. The other two containers still gave a growth, one colony per loop from one and six colonies from the other. The colonies at this time were not the typical grayish translucent ones of typhoid. Instead they all presented a slightly reddish center. Subcultures in broth, however, were agglutinated satisfactorily and the appearance on the Russell medium plant was characteristic of the typhoid bacillus.

If we may assume that *B. typhosus*, under natural conditions, would resist freezing in cream as long as did this laboratory culture, there is no doubt that ice cream would be a very effective agent for distributing infection.

Results with Bact. diphtheriæ.

In order to ascertain whether freezing would have any effect on viability and on the production of diphtheria toxin, 8 pure cultures of *Bact. diphtheriæ*, obtained from the epidemic referred to, were studied. These cultures were obtained from clinical cases of diphtheria and were isolated in pure cultures by plating on agar and fishing of colonies to Loeffler slants. The cultures were subjected to the following treatment:

(1) On September 26 two small Loeffler slant tubes were inoculated from each culture. These cultures were grown at 37° C. for 24 hours, after which they were each washed off with 10 cubic centimeters of 0.85 per cent salt solution and the suspension was placed in sterilized metal containers. These containers were then placed in a large wire basket and suspended in a brine tank, where in a short time they were frozen solid. They were allowed to remain in this tank in a frozen condition for 24 hours, when they were placed in a 37° C. water bath for 20 minutes, in order partly to melt the frozen solid. At the end of this period the tops were flamed and a loopful of material was inoculated on a Loeffler blood serum slant. The tubes were then incubated at 37° C. and the contents of the containers frozen again. The following day the process was repeated and the cultures of the inoculated tubes of the preceding day were examined. In all cases diphtheria bacilli were obtained. The freezing was continued for six days, and diphtheria organisms were recovered each day.

(2) On October 9 the experiment was repeated, with a slight variation. In this experiment, instead of using salt solution, 40 cubic centimeters of pasteurized cream were used. One 24-hour slant culture was washed in 5 cubic centimeters of salt solution and the 40 cubic centimeters of cream were inoculated. The cultures were frozen for four days, and then 2 per cent neutral peptone was inoculated with the frozen and the original (unfrozen) cultures.

The peptone-broth cultures were incubated at 37° C. for five days. On the fifth day 1 cubic centimeter of each of the broth cultures was injected subcutaneously into guinea pigs. Eight pigs were used for the frozen cultures and eight for the original unfrozen ones. All the pigs died within a period of three days, but without any significant difference in period of survival between those given frozen and those given the original cultures.

(3) On October 30 the experiment was again repeated. The amount of pasteurized cream used this time was 50 cubic centimeters; otherwise the details were the same as in the second experiment. The cultures were frozen for four days and then 2 per cent neutral peptone broth was inoculated with the frozen and original (unfrozen) cultures. The broth cultures were grown for four days at 37° C. and

were then used for the toxicity experiment. In the previous experiment we deemed the amount of culture used too large. In this experiment we used three dilutions, 0.5 cubic centimeter, 0.05 cubic centimeter, and 0.005 cubic centimeter, of each, frozen and unfrozen, culture. The injections were made subcutaneously.

The results of the test failed to show any difference between the toxin production of the frozen and of the unfrozen cultures.

An additional experiment of the same nature, in which the well-known diphtheria culture, Park No. 8, was frozen in the same manner for four days and then tested for toxin production, with a control of unfrozen, failed to show any difference between the two.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

EXTRA-CANTONMENT ZONES—CASES REPORTED WEEK ENDED FEB. 5.

Camp Beauregard, La.—Alexandria: Meningitis 1, typhoid 1, mumps 2, measles 8, smallpox 2, pneumonia 1. Pineville: Pneumonia 1, measles 3, meningitis 1, chicken pox 1. Boyce: Measles 14. Hot Wells: Measles 1. Rural district: Measles 4, meningitis 1, located near village of Ball.

Camp Bowie, Tex.—Fort Worth: Chicken pox 1, diphtheria 2, measles 2, pneumonia 2, scarlet fever 1, syphilis 1, gonorrhea 2, smallpox 4, German measles 1.

Camp Dodge, Iowa.—Des Moines: Smallpox 36, diphtheria 3, scarlet fever 10, measles 1, German measles 1, tuberculosis 1. Ankeny: Smallpox 1. Grimes: Smallpox 1. Polk City: Scarlet fever 1, chicken pox 1.

Camp Funston, Kans.—Manhattan: Measles 89, scarlet fever 2, mumps 3, smallpox 4. Cleburne: Measles 2. Irving: Measles 1. Riley: Measles 7, smallpox 1, pneumonia 1. Junction City: Scarlet fever 2, measles 16, chicken pox 1, smallpox 1. Ogden: Diphtheria 1, measles 8, smallpox 1, chicken pox 1. Milford: Measles 3. Keats: Measles 6.

Camp Gordon, Ga.—Atlanta: Diphtheria 10, German measles 11, gonococcus infection 1, malaria 2, measles 14, epidemic cerebrospinal meningitis 5, mumps 12, scarlet fever 1, septic sore throat 1, smallpox 2, syphilis 2, tuberculosis 2. Buckhead, Fulton County: Scarlet fever 1. Carey Park, Fulton County: Tuberculosis 1. College Park, Fulton County: Epidemic cerebrospinal meningitis 1. Decatur, Dekalb County: Septic sore throat 1.

Camp Greene, N. C.—Chicken pox 1, German measles 7, gonorrhea and syphilis 1, gonorrhea 14, measles 30, mumps 2, cerebrospinal meningitis 1, syphilis 11, tuberculosis 1, whooping cough 6; all in Charlotte township.

Camp Hancock, Ga.—Measles: Augusta 24, Hephzibah 4, Blythe 7, County Home 1; and German measles: Augusta 50, North Augusta 18, Belvedere 5, Waynesboro road 1; and lobar pneumonia: Augusta 1, Blythe 1; and chicken pox: Augusta 1; and mumps: Blythe 1; and typhoid fever: Hephzibah 1; and pulmonary tuberculosis: North Augusta 1.

Fort Leavenworth, Kans.—German measles: City 15. Measles: City 3, county 6. Smallpox: City 3. Lobar pneumonia: County 1. Chicken pox: City 3.

Camp Lee, Va.—Petersburg: German measles 7, pneumonia 2, measles 2, cerebrospinal meningitis 1, mumps 1, septic sore throat 1. Ettricks: Whooping cough 4, chicken pox 2, measles 3. Hopewell: Measles 3, cerebrospinal meningitis 1. Dinwiddie County: Measles 1, German measles 1. Chesterfield County: Measles 1, diphtheria 1, pneumonia, lobar, 2.

Camp Lewis, Wash.—German measles: Spanaway 7, Steilacoom 6, Du Pont 2, Hillhurst 5, Parklodge 2, Lakeview 1, Clover Creek 1.

Camp Logan, Tex.—Houston: Chicken pox 3, diphtheria 4, mumps 7, measles 22, pneumonia 10, gonorrhea 4, German measles 11, malaria 1, typhoid fever 1, tuberculosis 3.

Camp McClellan, Ala.—Anniston: Smallpox 5, chicken pox 5, measles 5, German measles 2, pneumonia 1. Oxford: German measles 1. Districts Three and Thirteen: Smallpox, 1 each. District Fifteen: Smallpox 1, chicken pox 1. District Seventeen: Cerebrospinal meningitis 2.

Fort Oglethorpe, Ga.—Chattanooga: German measles 5, tuberculosis 3, measles 3, gonorrhea 20, syphilis 6, chicken pox 2, mumps 1, pneumonia 3, meningitis 1, scarlet fever 3, smallpox 1. East Chattanooga: Smallpox 1. North Chattanooga: Mumps 2. Eastlake: Mumps 3. Rossville, Ga.: Measles 6, scarlet fever 3.

Camp Pike, Ark.—Little Rock: Measles 25, chicken pox 4, smallpox 37, scarlet fever 1, tuberculosis 4, pneumonia 15, German measles 1, diphtheria 1, mumps 3, syphilis 10, gonorrhea 13, chancroid 1, meningitis 1, trachoma 3. North Little Rock: Measles 1, smallpox 2, tuberculosis 1, German measles 3, mumps 2, gonorrhea 4, chancroid 3. Scotts: German measles 2, gonorrhea 5, syphilis 4, pellagra 1, measles 2.

Camp Sevier, S. C.—Poe Mill: Two epidemic cerebrospinal meningitis. Greenville Township, rural: One scarlet fever.

Camp Shelby, Miss.—Forrest County: Hattiesburg, chicken pox 4, malaria 2, measles 9, meningitis 2, mumps 6, pneumonia 4, smallpox 9, tuberculosis 1, whooping cough 1; Harvey, measles 1. Jefferson Davis County: White Sand, meningitis 1. Harrison County: Lyman, smallpox 1. Pearl River County: Lumberton, tuberculosis 1.

Camp Sheridan, Ala.—Montgomery: Measles 40, lobar pneumonia 3, smallpox 23, meningitis carrier 1, tuberculosis 4, German measles 20, mumps 1, scarlet fever 1, chicken pox 7. Capitol Heights: Smallpox 1. Chisholm: Smallpox 1.

Camp Sherman, Ohio.—Cerebrospinal meningitis: Chillicothe 1. Diphtheria: Chillicothe 2. Chicken pox: Green Township 1. German measles: Chillicothe 27. Measles: Chillicothe 1, Liberty Township 4. Mumps: Chillicothe 2. Lobar pneumonia: Green Township 1.

Camp Zachary Taylor, Ky.—Jefferson County: Measles 2, meningitis, cerebrospinal, 1, scarlet fever 1, trachoma 1. Louisville: Chicken pox 1, diphtheria 8, German measles 3, measles 31, pneumonia 1, scarlet fever 3, smallpox 9, tuberculosis, pulmonary, 11.

Tidewater Health District, Va.—Newport News: Measles 9, tuberculosis 1, scarlet fever 1, mumps 1, meningitis 3, whooping cough 3. Hampton: Measles 20, typhoid 2, pneumonia 3, tuberculosis 1. Phoebus: Measles 4, scarlet fever 1.

Camp Wadsworth, S. C.—Spartanburg city: German measles 9, whooping cough 13, pneumonia 5, measles 2, smallpox 1, tuberculosis 2. Drayton: Measles 3, pneumonia 1. County: Whooping cough 1.

Camp Wheeler, Ga.—In Macon: Measles 6, German measles 2, mumps 31, scarlet fever 2, diphtheria 5, meningitis 2, pneumonia 2. In East Macon: Scarlet fever 1, German measles 2. In Bibb County: Scarlet fever 1, meningitis 1.

CURRENT STATE SUMMARIES.

Alabama.

From Collaborating Epidemiologist Perry, telegram dated February 5, 1918:

Measles epidemic. Smallpox: Butler 5, Chambers 3, Cherokee 1, Cullman 2, Shelby 4, Tallapoosa 88, Alker 1.

California.

From the State Board of Health of California, telegram dated February 5, 1918:

Two cases anthrax in man, Kern County. Three cases epidemic cerebrospinal meningitis; 1 Shasta County, 2 San Francisco. Two cases leprosy; 1 Monterey County, 1 San Francisco. Seven cases smallpox; 3 Nevada County, 1 Holtville, 2 Fresno, 1 Venice. Measles much more prevalent, especially in southern California. Diphtheria, mumps, scarlet fever, and whooping cough much prevalent in San Francisco Bay region. Nine of 14 typhoid cases reported are in southern California.

Reported by mail for preceding week (ended Jan. 26):

Cerebrospinal meningitis	6	Pneumonia	64
Chicken pox	139	Poliomyelitis	1
Diphtheria	69	Scarlet fever	103
Erysipelas	7	Smallpox	8
German measles	194	Syphilis	25
Gonococcus infection	22	Tuberculosis	116
Malaria	3	Typhoid fever	10
Measles	491	Whooping cough	124
Mumps	86		

Connecticut.

From Collaborating Epidemiologist Black, telegram dated February 4, 1918:

Cerebrospinal meningitis: Bridgeport 3, Greenwich 1, Cromwell 1. Smallpox: Winsted 1, Torrington 1.

Indiana.

From the State Board of Health of Indiana, telegram dated February 4, 1918:

Scarlet fever: One death Portland. Diphtheria: Epidemic Walesboro, Bartholomew County. Measles: Epidemic Anderson. German measles: Epidemic Columbus, New Castle, Seymour, Greencastle, Indianapolis, Linton. Smallpox: Epidemic Dayton, Tippecanoe County. Whooping cough: Epidemic Steuben County. Gastroenteritis or winter cholera: Epidemic Indianapolis, Anderson.

Kansas.

From Collaborating Epidemiologist Crumbine, telegram dated February 4, 1918:

Week ending February 2. Meningitis in cities: Brookville 1, Buffalo 1, Cherokee 1, De Soto 1, Ellsworth 1, Enterprise 1, Harper 1, Labette 1, Topeka 1. Meningitis carriers: Manhattan 1. Poliomyelitis: Harper County 1. Smallpox: Unusually prevalent, in counties—Cherokee 27, Crawford 49, Marion 18, Woodson 21; in cities—Coffeyville 15, Emporia 7, Kansas City 28. German measles (rubella) prevalent in every section of State.

Louisiana.

From Collaborating Epidemiologist Dowling, telegram dated February 4, 1918:

Meningitis (excluding Rapides): Bienville 1, Grant 1, Jefferson Davis 1, St. James 2, Tensas 1, Union 1, Vermilion 2, Winn 1, Orleans 2.

Massachusetts.

From Collaborating Epidemiologist Kelley, telegram dated February 5, 1918:

Unusual prevalence for week. Measles: Beverly 15, Marlboro 144, Natick 16, Winchester 14. Scarlet fever: Holden 10. Whooping cough: Canton 14.

Minnesota.

From Collaborating Epidemiologist Bracken, telegram dated February 4, 1918:

Smallpox: Mower County, Lyle village 4; Todd County, Little Sauk Township, 2; Kanabec County, Grass Lake Township; Polk County, Climax village; Roseau County, Lind Township, 1 each. One poliomyelitis, 2 cerebrospinal meningitis. Reports since January 28.

Nebraska.

From the State Board of Health of Nebraska, telegram dated February 4, 1918:

Scarlet fever at Columbus, North Bend, and Hickman. Smallpox at Davenport, Scottsbluff, Humboldt, Omaha, and Lincoln. German measles at Lincoln, McCook, and Fremont.

South Carolina.

From Collaborating Epidemiologist Hayne, telegram dated February 4, 1918:

Epidemic meningitis, 16 new cases for week ending February 3.

Virginia.

From Collaborating Epidemiologist Traynham, telegram dated February 4, 1918:

Thirteen cases cerebrospinal meningitis, Norfolk. One case smallpox, 1 case cerebrospinal meningitis, Dinwiddie County. One case infantile paralysis, Henrico County. One case varioloid, Augusta County.

Washington.

From Collaborating Epidemiologist Tuttle, telegram dated February 5, 1918:

No unusual outbreaks communicable diseases. Five cases typhoid, Kennwick, Benton County.

RECIPROCAL NOTIFICATION.

California.

Cases of communicable diseases referred during December, 1917, to other State health departments by the department of health of the State of California.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Diphtheria:		
Los Angeles	El Paso, Tex	Patient contracted disease in El Paso or en route to Los Angeles.
Gonococcus infection:		
El Centro	Mexicali, Mexico	Patient became infected while in Mexicali.
Hookworm:		
Solano County	Arkansas, 1 case	Patients resided in States named at the time they became infected.
	Georgia, 3 cases	
	Missouri, 1 case	
	Oklahoma, 3 cases	
	Tennessee, 1 case	
	Texas, 2 cases	
Measles:		
Marin County	Fort Logan, Colo., 6 cases	Patients were ill upon arrival from Colorado.
Smallpox:		
Kern C	Parker, Ariz	History of contact with active case in Arizona.
Los Angeles	Arizona	Infected while traveling in Arizona.
Redlands	Burlingame, Kans	Patient contracted disease while on visit in Burlingame where smallpox was prevalent.
Maricopa	Oklahoma	Patient was ill upon arrival from Oklahoma.
Typhoid fever:		
Sacramento	Eugene, Oregon	Patient lived at Eugene until five days previous to attack.
El Monte	Montana, 2 cases	Patients were ill upon arrival from Montana.
Venereal diseases:		
San Francisco	Winslow, Ariz., 1 case	Patients resided at places named when they received their infections.
	Little Rock, Ark., 1 case	
	Denver, Colo., 4 cases	
	Chicago, Ill., 10 cases	
	Houghton, Mich., 1 case	
	Buhl, Minn., 1 case	
	Duluth, Minn., 2 cases	
	Everett, Minn., 1 case	
	Hibbing, Minn., 1 case	
	Keewatin, Minn., 1 case	
	Two Harbors, Minn., 1 case	
	Gilead, Nebr., 1 case	
	Reno, Nev., 1 case	
	McAlester, Okla., 1 case	
	Portland, Oreg., 1 case	
	Manila, P. I., 1 case	
	Fort McKinley, P. I., 1 case	

CEREBROSPINAL MENINGITIS.

Kansas—McLouth.

During the week ended February 2, 1918, one case of cerebrospinal meningitis was notified at McLouth, Kans., making a total of 7 cases reported during the present outbreak.

CEREBROSPINAL MENINGITIS—Continued.

State Reports for December, 1917.

Place.	New cases reported.
California:	
Fresno County—	
Fowler	1
Los Angeles County	2
La Verne	1
Los Angeles	5
Orange County	1
San Diego County	3
San Diego	3
San Francisco (city)	2
Solano County	1
Sonoma County	1
Total	20
Iowa:	
Guthrie County	1
Jasper County	1
Polk County	3
Wapello County	1
Wayne County	1
Total	7
Mississippi:	
Forrest County	3
Harrison County	2
Hinds County	1
Lowndes County	1
Perry County	1
Walthall County	1
Total	9
Wisconsin:	
Milwaukee County	4
Rock County	1
Total	5

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.
Akron, Ohio	1	
Alexandria, La	7	2
Anniston, Ala	2	
Atlanta, Ga	9	2
Baltimore, Md	4	2
Boston, Mass		1
Bridgeport, Conn		1
Buffalo, N. Y	4	2
Charleston, S. C	1	
Charlotte, N. C	3	
Chattanooga, Tenn		1
Chicago, Ill	5	4
Chillicothe, Ohio		1
Cincinnati, Ohio	1	1
Columbia, S. C	1	
Columbus, Ohio	1	3
Dayton, Ohio	1	2
Detroit, Mich	1	1
El Paso, Tex		1
Green Bay, Wis	1	1
Houston, Tex	1	
Indianapolis, Ind	1	
Jersey City, N. J	1	1
Little Rock, Ark	3	
Los Angeles, Cal	1	1
Louisville, Ky	3	2
Lowell, Mass	1	1
Macon, Ga	6	4
Milwaukee, Wis	2	2
Minneapolis, Minn	3	
Newark, N. J	4	
Newport News, Va	1	1
New York, N. Y	6	3
Omaha, Nebr	1	
Philadelphia, Pa	7	1
Portsmouth, Va		1
St. Louis, Mo	1	3
San Antonio, Tex	1	
San Francisco, Cal		1
Spartanburg, S. C	3	1
Waco, Tex	1	
Washington, D. C	7	1

DIPHTHERIA.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 181.

ERYSIPELAS.

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md	1	1	Los Angeles, Cal	2	
Boston, Mass		2	Milwaukee, Wis	3	
Braddock, Pa	1		Montclair, N. J	1	
Buffalo, N. Y	1	1	Newark, N. J	10	2
Camden, N. J	1		New Castle, Pa	1	
Canton, Ohio	1		New York, N. Y		4
Chicago, Ill	16	2	Omaha, Nebr	1	
Columbus, Ohio		2	Philadelphia, Pa	9	1
Cleveland, Ohio	6		Pittsburgh, Pa	10	1
Dayton, Ohio		1	Pontiac, Mich	1	
Denver, Colo	3	1	Portland, Me		1
Detroit, Mich	3	2	Richmond, Va		1
Easton, Pa	1		Reading, Pa	2	
Evansville, Ind		1	Rochester, N. Y	3	2
Galesburg, Ill		1	St. Joseph, Mo	2	
Grand Rapids, Mich	2		St. Louis, Mo	12	1
Harrisburg, Pa	1		San Diego, Cal	1	
Jackson, Mich	3		Steubenville, Ohio	2	

LEPROSY.

Mississippi—Long Beach.

During the month of December, 1917, a case of leprosy, of tubercular type, was reported at Long Beach, Miss., in the person of Mrs. G. J. S., aged 57 years, native of Louisiana, has lived at Long Beach 23 years, previously lived at Independence and at New Orleans, La. The patient spent 5 weeks with her mother, previous to her death from similar trouble 11 years ago.

MALARIA.

State Reports for December, 1917.

Place.	New cases reported.	Place.	New cases reported.
California:		Mississippi—Continued.	
Butte County	1	Copiah County	34
Fresno County	1	Covington County	93
Glenn County—		De Soto County	26
Orland	3	Forrest County	7
Merced County	2	Franklin County	32
Los Banos	1	George County	15
San Joaquin County	1	Greene County	9
Stockton	1	Grenada County	18
Solano County—		Hancock County	50
Vacaville	1	Harrison County	57
Yolo County	1	Hinds County	133
		Holmes County	269
Total	12	Issaquena County	51
		Itawamba County	34
Mississippi:		Jackson County	47
Adams County	50	Jasper County	60
Alcorn County	11	Jefferson County	52
Amite County	33	Jefferson Davis County	2
Benton County	2	Jones County	59
Bolivar County	385	Kemper County	10
Calhoun County	31	Lafayette County	35
Carroll County	68	Lamar County	27
Chickasaw County	5	Lauderdale County	20
Choctaw County	64	Lawrence County	46
Claiborne County	56	Leake County	44
Clarke County	27	Lee County	57
Clay County	7	Leflore County	158
Coahoma County	263	Lincoln County	21

MALARIA—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.
Mississippi—Continued.	
Lowndes County	11
Madison County	16
Marion County	69
Marshall County	42
Monroe County	21
Montgomery County	10
Neshoba County	28
Newton County	20
Noxubee County	10
Oktibbeha County	64
Panola County	95
Pearl River County	25
Perry County	79
Pike County	55
Pontotoc County	41
Prentiss County	25
Quitman County	117
Rankin County	32
Scott County	32
Sharkey County	63
Mississippi—Continued.	
Simpson County	25
Smith County	21
Stone County	16
Sunflower County	150
Tallahatchie County	41
Tate County	69
Tishomingo County	21
Tunica County	132
Union County	12
Walthall County	5
Warren County	138
Washington County	121
Wayne County	26
Webster County	22
Wilkinson County	4
Winston County	72
Yalobusha County	57
Yazoo County	181
Total	4,436

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.		1	Little Rock, Ark.	2	
Birmingham, Ala.	1		Memphis, Tenn.		1
Hattiesburg, Miss.	5		Savannah, Ga.	1	

MEASLES.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 181.

PELLAGRA.

State Reports for December, 1917.

Place.	New cases reported.
California:	
San Joaquin County—	
Lodi	1
Mississippi:	
Adams County	1
Alcorn County	1
Amite County	1
Benton County	1
Bolivar County	27
Calhoun County	1
Carroll County	2
Chickasaw County	15
Choctaw County	1
Clay County	6
Coahoma County	14
Copiah County	14
Covington County	1
De Soto County	1
George County	1
Hinds County	26
Holmes County	4
Itawamba County	6
Jackson County	1
Jasper County	1
Jefferson County	1
Jefferson Davis County	2
Jones County	10
Kemper County	2
Lamar County	1
Lauderdale County	4
Lee County	5
Leflore County	1
Mississippi—Continued.	
Lowndes County	6
Madison County	4
Marion County	5
Marshall County	12
Monroe County	2
Montgomery County	2
Neshaba County	3
Newton County	1
Noxubee County	6
Oktibbeha County	3
Panola County	2
Perry County	2
Pontotoc County	5
Prentiss County	1
Quitman County	1
Rankin County	4
Sharkey County	1
Simpson County	2
Smith County	1
Sunflower County	4
Tallahatchie County	8
Tate County	5
Tishomingo County	4
Tunica County	6
Union County	2
Walthall County	2
Washington County	7
Webster County	3
Yalobusha County	1
Yazoo County	8
Total	264

PELLAGRA—Continued.

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga		2	Memphis, Tenn	2	
Birmingham, Ala	2	2	Mobile, Ala	2	2
Charleston, S. C		2	New York, N. Y		1
Little Rock, Ark		2	Savannah, Ga		1
Lynchburg, Va		1	Wilmington, N. C		2
Macon, Ga		3			

PLAGUE.

California—Contra Costa County—Plague-Infected Squirrels Found.

On February 1, 1918, was reported the finding of 2 plague-infected squirrels on the property of the East Bay Water Co., Contra Costa County, Cal.

PNEUMONIA.

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La	1	1	Little Rock, Ark	5	2
Ann Arbor, Mich	2	1	Long Beach, Cal	1	1
Anniston, Ala	2		Los Angeles, Cal	23	11
Baltimore, Md	92	22	Lowell, Mass	1	3
Berkeley, Cal	1		Lynn, Mass	8	
Boston, Mass	44	39	Macon, Ga	5	8
Braddock, Pa	1		Manchester, N. H	2	2
Brockton, Mass	2		Nashville, Tenn	1	7
Cambridge, Mass	3	6	New Albany, Ind	1	1
Chattanooga, Tenn	4	7	Newark, N. J	61	14
Chelsea, Mass	7	3	New Bedford, Mass	6	3
Chicago, Ill	185	84	New Castle, Pa	2	
Chillicothe, Ohio	2	1	Newport, Ky	5	5
Cleveland, Ohio	43	46	Newport News, Va	3	3
Clinton, Mass	1		Newton, Mass	6	1
Columbia, S. C	1		Pasadena, Cal	6	1
Cumberland, Md	2	1	Philadelphia, Pa	187	101
Dayton, Ohio	2	10	Pittsburgh, Pa	42	61
Detroit, Mich	12	62	Pontiac, Mich	2	
Duluth, Minn	1	1	Providence, R. I	1	11
Easton, Pa	2		Quincy, Mass	2	
Evansville, Ind	2	2	Reading, Pa	1	2
Everett, Mass	3		Rochester, N. Y	13	3
Fall River, Mass	4	2	Sacramento, Cal	4	3
Fitchburg, Mass	1		St. Joseph, Mo	2	2
Flint, Mich	2	1	San Diego, Cal	1	
Grand Rapids, Mich	6	3	Schenectady, N. Y	2	
Harrisburg, Pa	5	7	Somerville, Mass	5	3
Hattiesburg, Miss	1		Springfield, Mass	8	
Houston, Tex	1	16	Springfield, Ohio	1	3
Jackson, Mich	3	2	Toledo, Ohio	2	3
Johnstown, Pa	8	2	Waco, Tex	3	
Lancaster, Pa	4		Waltham, Mass	1	1
Lawrence, Mass	4	1	Wichita, Kans	6	1
Leavenworth, Kans	2	1	Worcester, Mass	10	8
Lincoln, Nebr	2	7			

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for December, 1917.

Place.	New cases reported.
California:	
Butte County	1
Los Angeles County	1
Tropico	1
San Francisco	1
San Joaquin County	2
Sutter County—	
Yuba City	1
Total	7
Iowa:	
Keokuk County	1
Washington County	1
Total	2
Mississippi:	
Newton County	2
Rankin County	1
Smith County	2
Sunflower County	1
Total	6
Wisconsin:	
Milwaukee County	2
Oneida County	1
Rock County	1
Total	4

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chicago, Ill	1	1	Newark, N. J	1	
Detroit, Mich		1	New York, N. Y	1	
Duluth, Minn	1	1	Pittsburgh, Pa	1	

RABIES IN ANIMALS.

City Report for Week Ended Jan. 19, 1918.

During the week ended January 19, 1918, one case of rabies in animals was reported in Columbus, Ohio.

SCARLET FEVER.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 181.

SMALLPOX.

Hawaii—Honolulu Quarantine.

On February 2, 1918, a case of smallpox was removed at the Honolulu quarantine station from the steamship *Vondel*, arrived January 31, 1918, from Yokohama.

Texas—Eagle Pass—Virulent Smallpox.

During the week ended February 4, 1918, 7 new cases of smallpox with 1 death, were notified at Eagle Pass, Tex., making a total of 58 cases, with 12 deaths, reported since October 1, 1917.

West Virginia.

On February 1, 1918, outbreaks of smallpox were reported in the coal fields of Logan, Raleigh, and Marion Counties, and also at Moundsville, Huntington, and Point Pleasant.

SMALLPOX—Continued.

California Report for December, 1917.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
California:						
Alameda County	1				1	
Oakland	1				1	
Kern County	1				1	
Maricopa	1				1	
Los Angeles County—						
Los Angeles	4				4	
Nevada County—						
Nevada City	2				2	
Sacramento County—						
Sacramento	1				1	
San Bernardino County—						
Redlands	1					1
San Francisco (city)	2				2	
Solano County	1					1
Total	15				13	2

Miscellaneous State Reports.

Place.	Cases.	Deaths.
Colorado (Dec. 1-31):		
Arapahoe County	3	
Boulder County	1	
Chaffee County—		
Salida	3	
Delta County	2	
Denver County—		
Denver	41	
Eagle County	3	
Fremont County	1	
La Plata County	1	
Mesa County	12	
Morgan County	1	
Sedgwick County	1	
Logan County	4	
Total	73	
Iowa (Dec. 1-31):		
Adair County	1	
Appanoose County	29	
Audubon County	1	
Boone County	2	
Bremer County	1	
Butler County	3	
Cass County	5	
Cerro Gordo County	2	
Cherokee County	2	
Chickasaw County	13	
Clay County	1	
Clayton County	1	
Crawford County	13	
Decatur County	109	
Des Moines	4	
Dubuque County	4	
Fayette County	1	
Floyd County	3	
Hardin County	1	
Harrison County	1	
Henry County	1	
Iowa County	3	
Johnson County	3	
Kossuth County	4	
Linn County	3	
Iowa (Dec. 1-31)—Continued.		
Lyon County	1	
Madison County	11	
Marion County	7	
Mills County	4	
O'Brien County	9	
Page County	1	
Palo Alto County	1	
Pocahontas County	2	
Polk County	89	
Pottawattamie County	49	
Ringgold County	1	
Scott County	1	
Shelby County	1	
Sioux County	34	
Taylor County	1	
Wapello County	6	
Wayne County	8	
Woodbury County	2	
Wright County	4	
Total	443	
Mississippi (Dec. 1-31):		
Alcorn County	26	
Benton County	1	
Bolivar County	4	
Calhoun County	5	
Carroll County	14	
Chickasaw County	32	
Clarke County	1	
Clay County	10	
De Soto County	7	
Grenada County	12	
Hinds County	8	
Holmes County	13	
Jasper County	13	
Jones County	13	
Lauderdale County	4	
Lee County	2	
Leflore County	4	
Lowndes County	3	
Madison County	3	
Marion County	1	

SMALLPOX—Continued.

Miscellaneous State Reports—Continued.

Place.	Cases.	Deaths.
Mississippi (Dec. 1-31)—Con.		
Marshall County	8	
Newton County	9	
Oktibbeha County	6	
Panola County	16	
Pearl River County	3	
Pontotoc County	1	
Quitman County	3	
Rankin County	5	
Scott County	4	
Sharkey County	3	
Stone County	1	
Sunflower County	4	
Tallahatchie County	19	
Tunica County	6	
Union County	2	
Walthall County	2	
Warren County	3	
Washington County	1	
Yalobusha County	2	
Yazoo County	22	
Total	296	
Wisconsin (Dec. 1-31):		
Ashland County	1	
Barron County	5	
Buffalo County	10	
Calumet County	2	
Wisconsin (Dec. 1-31)—Con.		
Chippewa County	2	
Crawford County	16	
Dane County	1	
Douglas County	2	
Dunn County	4	
Eau Claire County	2	
Fond du Lac County	1	
Jackson County	4	
Juneau County	2	
Kenosha County	1	
Kewaunee County	2	
La Crosse County	35	
Lincoln County	18	
Manitowoc County	1	
Milwaukee County	19	
Monroe County	1	
Oconto County	1	
Outagamie County	8	
Pepin County	2	
Polk County	2	
Racine County	6	
Rock County	21	
Sauk County	84	
Sheboygan County	1	
Walworth County	1	
Total	255	

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.
Akron, Ohio	28	
Alton, Ill	13	
Ann Arbor, Mich	2	
Anniston, Ala	1	
Atlanta, Ga	2	
Baltimore, Md	1	
Butte, Mont	11	
Canton, Ohio	3	
Charlotte, N. C	1	
Chicago, Ill	13	
Cincinnati, Ohio	14	
Cleveland, Ohio	37	
Coffeyville, Kans	2	
Columbus, Ohio	8	
Covington, Ky	2	
Cumberland, Md	1	
Danville, Ill	3	
Dayton, Ohio	10	
Denver, Colo	6	
Des Moines, Iowa	53	
Detroit, Mich	89	
Dubuque, Iowa	1	
El Paso, Tex	1	1
Erie, Pa	2	
Everett, Wash	3	
Flint, Mich	20	
Fort Wayne, Ind	21	
Fort Worth, Tex	16	
Grand Haven, Mich	1	
Grand Rapids, Mich	26	
Hattiesburg, Miss	2	
Indianapolis, Ind	67	
Jackson, Mich	2	
Kalamazoo, Mich	1	
Kansas City, Kans	58	
Knoxville, Tenn	1	
Kokomo, Ind	1	
La Crosse, Wis	15	
La Fayette, Ind	1	
Leavenworth, Kans	1	
Lincoln, Nebr	1	
Little Rock, Ark	33	
Lorain, Ohio	9	
Louisville, Ky	2	
Memphis, Tenn	6	
Milwaukee, Wis	10	
Minneapolis, Minn	15	
Montgomery, Ala	5	
Nashville, Tenn	1	
New Orleans, La	14	
Niagara Falls, N. Y	1	
Oklahoma City, Okla	6	
Omaha, Nebr	32	
Pittsburgh, Pa	5	
Pontiac, Mich	6	
Portland, Oreg	3	
Quincy, Ill	7	
Rock Island, Ill	1	
Sacramento, Cal	2	
St. Joseph, Mo	17	
St. Louis, Mo	16	
Salt Lake City, Utah	21	
San Francisco, Cal	4	
Sioux City, Iowa	16	
Steelton, Pa	2	
Superior, Wis	1	
Syracuse, N. Y	1	
Terre Haute, Ind	6	
Toledo, Ohio	4	
Wheeling, W. Va	3	
Wichita, Kans	15	

TETANUS.

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Charleston, S. C.		1	Terre Haute, Ind.		1
Detroit, Mich.		1	Worcester, Mass.	1	
St. Louis, Mo.		1			

TUBERCULOSIS.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 181.

TYPHOID FEVER.

State Reports for December, 1917.

Place.	New cases reported.
California:	
Alameda County	2
Alameda	1
Berkeley	1
Oakland	3
Piedmont	2
Contra Costa County—	
Richmond	1
Fresno County—	
Fowler	3
Fresno	3
Imperial County	1
El Centro	1
Kern County	3
Los Angeles County	8
Alhambra	1
Burbank	1
El Monte	2
La Verne	1
Los Angeles	13
Santa Monica	1
Sawtelle	1
Whittier	1
Mariposa County	1
Mendocino County	3
Merced County	1
Monterey County—	
Monterey	2
Orange County	3
Fullerton	1
Placer County—	
Auburn	1
Plumas County	1
Riverside County—	
Riverside	2
Blythe	7
Sacramento County—	
Sacramento	2
San Bernardino County—	
Colton	1
San Diego County—	
San Diego	2
San Francisco (city)	18
San Joaquin County—	
Stockton	3
San Mateo County—	
San Mateo	1
Santa Clara County	1
Stanislaus County	1
Modesto	1
Sutter County	3
Tehama County—	
Corning	1
Yolo County—	
Woodland	1
Total	107

Place.	New cases reported.
Colorado:	
Chaffee County	1
Denver County—	
Denver	2
Jefferson County	1
Huerfano County	1
La Plata County	1
Montrose County	1
Otero County	1
Prowers County	1
Pueblo County—	
Pueblo	3
Weld County—	
Greeley	2
Total	14
Mississippi:	
Adams County	4
Amite County	4
Benton County	1
Bolivar County	3
Calhoun County	1
Carroll County	2
Chickasaw County	4
Choctaw County	6
Claiborne County	1
Coahoma County	2
Copiah County	2
Covington County	2
De Soto County	2
Franklin County	1
Grenada County	4
Hancock County	1
Harrison County	3
Hinds County	7
Holmes County	1
Jasper County	9
Jones County	10
Kemper County	1
Lafayette County	5
Lamar County	2
Lauderdale County	1
Lawrence County	1
Leake County	2
Lee County	3
Leflore County	5
Lincoln County	4
Madison County	2
Marion County	2
Marshall County	2
Montgomery County	6
Newton County	2
Noxubee County	1
Oktibbeha County	4
Panola County	5
Pearl River County	4
Perry County	4

TYPHOID FEVER—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.
Mississippi—Continued.	
Pike County	2
Pontotoc County	4
Prentiss County	1
Quitman County	2
Scott County	4
Smith County	4
Sunflower County	5
Tallahatchie County	10
Tate County	6
Tishomingo County	2
Tunica County	2
Warren County	1
Washington County	6
Wayne County	3
Webster County	4
Wilkinson County	3
Winston County	6
Yalobusha County	1
Total	192

Place.	New cases reported.
Nevada:	
Nye County	6
Washoe County	1
Total	7
Wisconsin:	
Bayfield County	1
Chippewa County	1
Eau Claire County	4
Jackson County	1
Jefferson County	2
Juneau County	1
Manitowoc County	1
Milwaukee County	3
Polk County	1
Shawano County	1
Sheboygan County	5
Wood County	1
Total	22

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.
Akron, Ohio	1	
Albany, N. Y	1	
Alexandria, La	1	
Anniston, Ala	1	
Atlanta, Ga	1	1
Austin, Tex		1
Baltimore, Md	3	
Boston, Mass	1	
Brockton, Mass	1	
Buffalo, N. Y		1
Canton, Ohio		1
Chicago, Ill	4	1
Chillicothe, Ohio	1	
Cincinnati, Ohio	1	1
Cleveland, Ohio	2	1
Coffeyville, Kans	4	
Des Moines, Iowa	3	
Detroit, Mich	5	2
East Orange, N. J		1
El Paso, Tex		3
Erie, Pa	1	
Everett, Mass	1	
Fall River, Mass	2	1
Grand Rapids, Mich	1	
Green Bay, Wis		1
Indianapolis, Ind	1	
Kansas City, Kans	1	
Los Angeles, Cal	5	1
Louisville, Ky	2	
Memphis, Tenn		2
Milwaukee, Wis	2	

Place.	Cases.	Deaths.
Minneapolis, Minn	3	
Nashville, Tenn	1	1
Newark, N. J	2	1
New Britain, Conn	1	
New Castle, Pa	2	
New Haven, Conn	1	
New Orleans, La	2	
Newport News, Va	2	1
New York, N. Y	3	2
Niagara Falls, N. Y	2	1
Oakland, Cal	1	
Ogden, Utah	1	
Philadelphia, Pa	8	1
Pontiac, Mich	1	
Portland, Oreg	2	
Providence, R. I	2	
Racine, Wis		2
Roanoke, Va	1	
Rockland, Me	1	
Saginaw, Mich	1	
St. Louis, Mo	2	
Savannah, Ga	1	1
Schenectady, N. Y	1	
Springfield, Ohio	2	1
Stockton, Cal	1	
Toledo, Ohio	1	
Troy, N. Y	2	
Washington, D. C	3	
Watertown, N. Y	1	
Wheeling, W. Va	1	
Zanesville, Ohio	1	

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

State Reports for December, 1917.

State.	Cases reported.			State.	Cases reported.		
	Diphtheria.	Measles.	Scarlet fever.		Diphtheria.	Measles.	Scarlet fever.
California	268	850	319	Mississippi	103	9,390	54
Colorado	84	129	124	Nevada	2	47	19
Iowa	87	.....	220	Wisconsin	244	417	461

City Reports for Week Ended Jan. 19, 1918.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Over 500,000 inhabitants:										
Baltimore, Md	589,621	269	28	4	92	.....	14	.....	24	36
Boston, Mass	756,476	306	69	4	108	4	42	.....	28	31
Chicago, Ill	2,497,722	728	152	26	65	1	82	5	516	63
Cleveland, Ohio	674,073	218	44	3	17	.....	5	.....	39	23
Detroit, Mich	571,784	235	72	4	34	.....	51	.....	30	16
Los Angeles, Cal	503,812	158	14	1	61	.....	8	.....	52	17
New York, N. Y	5,602,841	1,812	263	20	968	20	136	8	493	191
Philadelphia, Pa	1,709,518	740	57	8	71	4	53	2	124	64
Pittsburgh, Pa	579,090	241	17	3	165	.....	9	.....	29	16
St. Louis, Mo	757,309	254	61	3	40	.....	33	.....	37	13
From 300,000 to 500,000 inhabitants:										
Buffalo, N. Y	468,558	162	16	1	27	.....	30	.....	30	18
Cincinnati, Ohio	410,476	159	9	.....	5	.....	10	.....	23	27
Jersey City, N. J	306,345	.....	15	.....	41	.....	7	.....	11	.....
Milwaukee, Wis	436,535	.....	10	4	74	.....	58	1	19	1
Minneapolis, Minn	363,454	.....	19	.....	16	.....	14	.....	.....	.....
Newark, N. J	408,894	137	17	1	121	.....	24	.....	26	15
New Orleans, La	371,747	.....	9	1	122	.....	1	.....	30	33
San Francisco, Cal	463,516	133	14	.....	25	.....	12	.....	29	10
Washington, D. C	363,980	165	16	1	118	1	40	1	29	14
From 200,000 to 300,000 inhabitants:										
Columbus, Ohio	214,878	82	3	.....	11	1	17	.....	9	7
Denver, Colo	260,800	58	11	1	49	.....	24	1	.....	9
Indianapolis, Ind	271,708	.....	36	.....	36	.....	35	.....	6	.....
Louisville, Ky	238,910	113	10	1	34	.....	5	.....	5	5
Portland, Oreg	295,463	44	1	.....	22	.....	6	1	7	5
Providence, R. I	254,960	64	15	.....	7	.....	4	.....	.....	5
Rochester, N. Y	256,417	90	11	2	15	1	15	.....	16	5
From 100,000 to 200,000 inhabitants:										
Albany, N. Y	104,199	.....	1	.....	5	.....	.....	.....	14	.....
Atlanta, Ga	190,558	.....	10	1	12	3	1	1	.....	10
Birmingham, Ala	181,762	104	.....	.....	95	1	3	1	15	14
Bridgeport, Conn	121,579	46	9	.....	6	.....	1	.....	6	10
Cambridge, Mass	112,981	52	3	.....	4	.....	24	.....	3	4
Camden, N. J	106,233	.....	4	.....	54	.....	2	.....	.....	.....
Dayton, Ohio	127,224	50	6	2	4	.....	4	.....	4	5
Des Moines, Iowa	101,598	.....	2	.....	.....	.....	9	.....	.....	.....
Fall River, Mass	128,366	47	5	2	1	.....	4	.....	7	2
Fort Worth, Tex	104,562	37	.....	.....	5	.....	.....	.....	.....	3
Grand Rapids, Mich	128,291	39	6	2	13	.....	10	.....	6	1
Houston, Tex	112,307	55	.....	.....	19	1	.....	.....	.....	4
Lawrence, Mass	100,560	27	5	.....	3	.....	1	.....	5	3
Lowell, Mass	113,245	37	.....	.....	7	.....	.....	.....	4	4
Lynn, Mass	102,425	16	5	.....	3	.....	1	.....	3	.....
Memphis, Tenn	148,995	52	5	.....	8	.....	3	1	10	12
Nashville, Tenn	117,057	46	3	.....	41	.....	3	.....	1	2
New Bedford, Mass	118,158	42	2	.....	25	.....	.....	.....	11	4
New Haven, Conn	149,685	.....	4	.....	5	.....	.....	.....	9	6
Oakland, Cal	198,604	50	5	.....	7	.....	7	.....	8	3
Omaha, Nebr	165,470	40	7	1	73	.....	8	.....	.....	5
Reading, Pa	109,381	24	4	1	2	.....	4	.....	.....	.....

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended Jan. 19, 1918—Continued.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 100,000 to 200,000 inhabitants—Continued.										
Richmond, Va.	156,687	67	3		35		1		6	9
Salt Lake City, Utah	117,399	27	7		45		21			2
San Antonio, Tex.	123,831	114	1		2				1	16
Springfield, Mass.	105,942	29	11		17		5		4	2
Syracuse, N. Y.	155,624	43	12	2	33	1	22		2	3
Tacoma, Wash.	112,770		1		3		5			
Toledo, Ohio	191,554	68	4	1	7		8		14	7
Trenton, N. J.	111,593	54	11		6		3		7	2
Worcester, Mass.	163,314	64	5		9		6			3
From 50,000 to 100,000 inhabitants:										
Akron, Ohio	85,625		3		3		5			
Atlantic City, N. J.	57,660				3				3	1
Bayonne, N. J.	69,893		2		3		3		1	
Berkeley, Cal.	57,653	11	1		1		6			
Brockton, Mass.	67,449	10	1		3		3		2	
Canton, Ohio	60,852	31	5	1			2			2
Charleston, S. C.	60,734	28	3	1						
Chattanooga, Tenn.	60,075	10			18		2		4	2
Covington, Ky.	57,144	26	1		1		1			3
Duluth, Minn.	94,495	20	1		25		5		2	2
El Paso, Tex.	63,705	36	1		4					10
Erie, Pa.	75,195	15	7		2		1		3	3
Evansville, Ind.	76,078	23	2		2				13	
Flint, Mich.	54,772	13	5		2		8			
Fort Wayne, Ind.	76,183	20	3				4			
Harrisburg, Pa.	72,015	35	4		3		1		4	1
Hoboken, N. J.	77,214	23	3	1	16	1	1		2	
Jacksonville, Fla.	76,101				52		2		4	
Johnstown, Pa.	68,529	20					11		2	1
Kansas City, Kans.	99,437		1		20		17		1	
Lancaster, Pa.	50,853		1				2			
Little Rock, Ark.	57,343	14			15					
Malden, Mass.	51,155	12	1	1	6				5	
Manchester, N. H.	78,283	28			7		3		9	
Mobile, Ala.	58,221	36	1		34	1				2
New Britain, Conn.	53,794	22	1		4		1			1
Oklahoma City, Okla.	92,943	20			15		1			3
Passaic, N. J.	71,744	22	2						4	2
Portland, Me.	63,867	17	1		91		1			
Rockford, Ill.	55,185	16			10		3			
Sacramento, Cal.	66,895	20	2		3		5		1	3
Saginaw, Mich.	55,642	25		1			3			
St. Joseph, Mo.	85,236	30	7	1	33	1	2		2	2
San Diego, Cal.	53,330	24	5		112		4		2	5
Savannah, Ga.	68,805	32	1		29		1		2	3
Schenectady, N. Y.	99,519	17	2		5		2		13	2
Sioux City, Iowa	57,078						13			
Somerville, Mass.	87,039	19	3		32	1	1		4	1
South Bend, Ind.	68,946	22	2	1	4		2		1	3
Springfield, Ill.	61,120	22			6				1	2
Springfield, Ohio	51,550	26	1		3		2			5
Terre Haute, Ind.	66,083	26	1		4				2	4
Troy, N. Y.	77,916		1				1		3	5
Wichita, Kans.	70,722		4		65		6		2	1
Wilkes-Barre, Pa.	76,776	30	7	1	7		2		4	3
Wilmington, Del.	94,265	39	1		3		2			1
From 25,000 to 50,000 inhabitants:										
Alameda, Cal.	27,732	6	1				1			
Austin, Tex.	34,814	23	2		9					
Brookline, Mass.	32,730	12	1		9		2		1	
Butler, Pa.	27,632	9	2	1	12		1			1
Butte, Mont.	43,425	1	3	1	6		4			
Charlotte, N. C.	39,823				32					
Chelsea, Mass.	46,192	30	7		9		2			
Chicopee, Mass.	29,319	4	1		14		2		2	1
Columbia, S. C.	34,611		2		10					
Cumberland, Md.	26,074	6			1					
Danville, Ill.	32,261	16	3		1				1	1
Davenport, Iowa	48,811		2				11			

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended Jan. 19, 1918—Continued.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 25,000 to 50,000 inhabitants—Continued.										
Dubuque, Iowa	39,873				7					
Easton, Pa	30,530	7	4		16					
East Orange, N. J	42,458	10			10		2			
Elgin, Ill	28,203	16	1		4		1			2
Everett, Mass	39,233	9	5		2		1		1	
Everett, Wash	35,486				1					
Fitchburg, Mass	41,781	11	1		6		3		2	3
Galveston, Tex	41,863	26	1		10		3	1		2
Green Bay, Wis	29,353	14				8				
Jackson, Mich	35,363	24	8	3	3		50	2	4	2
Kalamazoo, Mich	48,886	23	2		16		2		3	3
Kenosha, Wis	31,576	6	5	2	2		6		2	
Kingston, N. Y	26,771	8								1
Knoxville, Tenn	38,676				6		3			
La Crosse, Wis	31,677	9	2	1			1			
Lincoln, Nebr	46,515	18	3				8		1	
Long Beach, Cal	27,587	17			11		2			2
Lorain, Ohio	36,964						5		1	
Lynchburg, Va	32,940	20								3
Macon, Ga	45,757	38	2	1	14		5		3	1
Madison, Wis	30,699				5		1			
Medford, Mass	26,234	3	3		2		5		1	1
Montclair, N. J	26,318				25				3	
Montgomery, Ala	43,285	26	1		31		3			1
Nashua, N. H	27,327	12								1
Newburgh, N. Y	29,603	13			22				2	3
New Castle, Pa	41,133		2		3		4			
Newport, Ky	31,927	12							1	1
Newport, R. I	30,108	2					1			
Newton, Mass	43,715	5	7		13		6			
Niagara Falls, N. Y	37,353	9			1					1
Norristown, Pa	31,401	10							3	
Ogden, Utah	31,404	7			11					
Orange, N. J	33,080	14	1		3				2	2
Pasadena, Cal	46,450	16			2				2	3
Perth Amboy, N. J	41,185	18	4		29		1		2	
Pittsfield, Mass	38,629	1	1		9		4		4	
Portsmouth, Va	39,651	11	1		2		4			1
Quincy, Ill	36,798	9			6					
Quincy, Mass	38,136	9	2		7		1		3	1
Racine, Wis	46,486	13								1
Roanoke, Va	43,284	14	2	1	3				1	2
Rock Island, Ill	28,926				3		3			
San Jose, Cal	38,902				3					
Steubenville, Ohio	27,445	8			4					
Stockton, Cal	35,358				26				3	
Superior, Wis	46,226	12			8		3			1
Taunton, Mass	36,283	9			1		1		2	
Waco, Tex	33,385	11			1		2			
Waltham, Mass	30,570	11	7						2	1
Wheeling, W. Va	43,377	20								1
Williamsport, Pa	33,809	8	6		2		1			1
Wilmington, N. C	29,892	15			14					1
Winston-Salem, N. C	31,155	22			39		1		4	
Zanesville, Ohio	30,863	7			2				1	
From 10,000 to 25,000 inhabitants:										
Alexandria, La	15,333	11			16					1
Alton, Ill	22,874	13	3	1	5					2
Ann Arbor, Mich	15,010	15	1		12					1
Anniston, Ala	14,112				11				1	
Berlin, N. H	13,599	3				1				
Braddock, Pa	21,685		2		1		2			
Cairo, Ill	15,794	11	1		3					1
Chillicothe, Ohio	15,470	2	1		2				1	
Clinton, Mass	[1] 13,075				1					
Coffeyville, Kans	17,548				9					
Concord, N. H	22,669	12					3			

[1] Population Apr. 15, 1910; no estimate made.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended Jan. 19, 1918—Continued.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 10,000 to 25,000 inhabitants—Continued.										
Galesburg, Ill	24,276	12								2
Hattiesburg, Miss	16,482	6			8					
Kearny, N. J	23,539	8			25				2	1
Kokomo, Ind	20,930	7			1				2	1
La Fayette, Ind	21,286	9					4			
Leavenworth, Kans	[1] 19,363	2			5		5		1	
Long Branch, N. J	13,395	3							1	
Marinette, Wis	[1] 14,610	4					1			
Melrose, Mass	17,445	6	1		1					
Morristown, N. J	13,284	1	2						1	
Nanticoke, Pa	23,126	3	1				1			
New Albany, Ind	23,629	8			2				1	1
Newburyport, Mass	15,243	5								
New London, Conn	20,985	9	2							
Newport News, Va	20,562	14							2	2
North Adams, Mass	[1] 22,019	4			1					
Northampton, Mass	19,926	11								
Plainfield, N. J	23,805	6	1		4		1		1	
Pontiac, Mich	17,524	17	2		4		1		1	
Portsmouth, N. H	11,666		1		1		2			
Rocky Mount, N. C	12,067	6	1		1				2	1
Rutland, Vt	14,831	3					1			1
Saratoga Springs, N. Y	13,821	4							1	
South Bethlehem, Pa	24,204		1							
Spartanburg, S. C	21,365	13	1							
Steelton, Pa	15,548	3	1		2		1		4	
Washington, Pa	21,618				4					
Wilkinsburg, Pa	23,228	12			7		2			
Woburn, Mass	15,969	2								

[1] Population Apr. 15, 1910; no estimate made.

FOREIGN.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	Jan. 1-10, 1918.		Cases remaining under treatment Jan. 10, 1918.	Disease.	Jan. 1-10, 1918.		Cases remaining under treatment Jan. 10, 1918.
	New cases.	Deaths.			New cases.	Deaths.	
Cerebrospinal meningitis	1		[1] 1	Measles	7		11
Diphtheria	11	2	1	Scarlet fever			4
Leprosy			11	Smallpox	1		2
Malaria	15		[2] 37	Typhoid fever	6	5	[3] 66
				Varicella	21		19

[1] From the United States.
[2] From the interior, 21; imported from Mexico, 1.
[3] From the interior, 29.

SENEGAL.

Plague—St. Louis.

Plague was reported present at St. Louis, Senegal, February 2, 1918.

The presence of plague in the interior of Senegal was reported September 30, 1917.

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER.

Reports Received During Week Ended Feb. 8, 1918.[1]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	Nov. 4-24	6	6	
Calcutta	Nov. 18-24		8	
Rangoon	Nov. 4-17	2	2	
Indo-China:				
Saigon	Nov. 22-28	1		
Philippine Islands:				
Provinces				Dec. 9-15, 1917: Cases, 130; deaths, 95.
Bohol	Dec. 9-15	35	26	
Capiz	do	4	3	
Iloilo	do	10	6	
Leyte	do	2	2	
Mindanao	do	36	21	
Occidental Negros	do	31	25	
Oriental Negros	do	12	12	
Provinces				Dec. 16-22, 1917: Cases, 161; deaths, 91.
Bohol	Dec. 16-22	36	25	
Capiz	do	5	5	
Leyte	do	1	1	
Mindanao	do	103	50	
Occidental Negros	do	8	7	
Oriental Negros	do	8	3	
Turkey in Asia:				
Bagdad	Nov. 1-15		40	

[1] From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.

Reports Received During Week Ended Feb. 8, 1918—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Oct. 28-Nov. 17	4	5	
India				Nov. 11-24, 1917: Cases, 48,577; deaths, 36,615.
Bombay	Nov. 4-24	50	39	
Henzada	Oct. 21-27		1	
Madras Presidency	Nov. 11-17	1,739	1,351	
Mandalay	Nov. 3-17		69	
Rangoon	Oct. 28-Nov. 17	27	25	
Senegal:				
St. Louis	Feb. 2			Present.
Siam:				
Bangkok	Oct. 28-Nov. 24	10	6	

SMALLPOX.

Canada:				
New Brunswick—				
Moncton	Jan. 20-26	1		
Restigouche County	Jan. 18	60		
Ontario—				
Sarnia	Jan. 20-26	2		
China:				
Amoy	Nov. 5-25			Present.
Antung	Dec. 17-23	7		
Chungking	Nov. 18-24			Do.
Shanghai	Dec. 17-23	11	29	Cases, foreign; deaths, Chinese.
Tientsin	Dec. 9-22	6		
India:				
Bombay	Nov. 4-24	10	3	
Madras	Nov. 11-17	2	1	
Rangoon	Oct. 28-Nov. 17	3	1	
Indo-China:				
Saigon	Nov. 22-28	21	4	
Mexico:				
Mexico City	Dec. 16-29	7		
Do	Dec. 30-Jan. 12	8		
Newfoundland:				
St. Johns	Jan. 12-18	4		
Trepassey	Jan. 4			Outbreak with 11 cases reported.
Portugal:				
Lisbon	Dec. 9-15	1		
Russia:				
Petrograd	Sept. 23-Nov. 18	17		
Siam:				
Bangkok	Nov. 25-Dec. 1	1	1	
Turkey in Asia:				
Bagdad				Present in November, 1917.

TYPHUS FEVER.

Egypt:				
Alexandria	Dec. 10-16	11	3	
Mexico:				
Mexico City	Dec. 16-29	154		
Do	Dec. 30-Jan. 12	139		
Russia:				
Petrograd	Sept. 23-Nov. 18	10		
Switzerland:				
Zurich	Nov. 9-15	2		

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.

Reports Received from Dec. 29, 1917, to Feb. 1, 1918.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Antung	Nov. 26–Dec. 2	3	1	
India:				
Bombay	Oct. 28–Nov. 3	11	6	
Calcutta	Sept. 16–Oct. 27		68	
Indo-China:				
Provinces				Sept. 1–30, 1917: Cases, 74; deaths, 37.
Anam	Sept. 1–30	13	10	
Cambodia	do	19	12	
Cochin-China	do	32	13	
Kwang-Chow-Wan	do	10	2	
Java:				
East Java	Oct. 28–Nov. 3	1	1	
West Java				Oct. 19–Nov. 29, 1917: Cases, 68; deaths, 35.
Batavia	Oct. 19–Nov. 29	38	8	
Persia:				
Mazanderan Province—				
Astrabad	July 31			Present.
Barfrush	July 1–27	34	23	
Chahmirzad				25 cases reported July 31, 1917.
Chahrastagh	June 15–July 25	10	8	
Kharek	May 28–June 11	21	13	
Sari	July 3–29	273	144	
Yekchambe-Bazar	June 3	6		
Philippine Islands:				
Provinces				Nov. 18–Dec. 8, 1917: Cases, 701; deaths, 471.
Antique	Nov. 18–Dec. 1	48	32	
Bohol	Nov. 18–Dec. 8	76	36	
Capiz	Nov. 25–Dec. 8	3	2	
Iloilo	do	167	128	
Leyte	do	10	9	
Mindanao	do	184	118	
Occidental Negros	do	148	91	
Oriental Negros	do	74	44	
Romblon	Nov. 25–Dec. 1	1	1	
Siam:				
Bangkok	Sept 16–22	1	1	

PLAGUE.

Brazil:				
Bahia	Nov. 4–Dec. 15	4	4	
British Gold Coast:				
Axim	Jan. 8			Present.
Ceylon:				
Colombo	Oct. 14–27	4	3	
Egypt				Jan. 1–Nov. 15, 1917: Cases, 728; deaths, 398.
Port Said	July 23–29	1	2	
India				Sept. 16–Nov. 10, 1917: Cases, 98,758; deaths, 72,648.
Bombay	Oct. 28–Nov. 3	43	40	
Calcutta	Sept. 16–29		2	
Karachi	Oct. 21–Nov. 10	6	5	
Madras Presidency	Oct. 31–Nov. 6	1,555	1,209	
Mandalay	Oct. 14–29		20	
Rangoon	Oct. 21–27	9	10	
Indo-China:				
Provinces				Sept. 1–30, 1917: Cases, 34; deaths, 30.
Anam	Sept. 1–30	12	14	
Cambodia	do	12	11	
Cochin-China	do	10	8	
Saigon	Oct. 31–Nov. 18	8	4	
Java:				
East Java	Oct. 27–Nov. 10	28	27	
Siam:				
Bangkok	Sept. 16–22	1	1	
Straits Settlements:				
Singapore	Oct. 28–Nov. 24	3	5	

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.

Reports Received from Dec. 29, 1917, to Feb. 1, 1918—Continued.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Nov. 1-30	1		
Australia:				
New South Wales				July 12-Nov. 20, 1917: Cases, 34.
Abermain	Oct. 25-Nov. 20	3		
Cessnock	July 12-Oct. 11	7		Newcastle district.
Eumangla	Aug. 15	1		
Kurri Kurri	Dec. 5	1		
Mungindi	Aug. 13	1		
Warren	July 12-Oct. 25	22		
Brazil:				
Bahia	Nov. 10-Dec. 8	3		
Pernambuco	Nov. 1-15	1		
Rio de Janeiro	Sept. 30-Dec. 1	519	151	
Sao Paulo	Oct. 29-Nov. 4		2	
Canada:				
British Columbia—				
Winnipeg	Dec. 30-Jan. 5	1		
New Brunswick—				
Kent County	Dec. 4			Outbreak. On main line Canadian Ry., 25 miles north of Moncton.
Ontario—				
Hamilton	Dec. 16-22	1		
Do	Jan. 13-19	2		
Sarnia	Dec. 9-15	1		
Do	Jan. 6-12	14		
Windsor	Dec. 30-Jan. 5	1		
Quebec—				
Montreal	Dec. 16-Jan. 5	5		
Do	Jan. 6-12	1		
China:				
Amoy	Oct. 22-Nov. 4			Present.
Antung	Dec. 3-16	6	2	
Chungking	Nov. 11-Dec. 1			Do.
Dairen	Nov. 18-24	1		
Harbin	May 14-June 30	20		Chinese Eastern Ry.
Do	July 1-Oct. 15	4		Do.
Hungtahotze Station	Oct. 28-Nov. 4	1		Do.
Manchuria Station	May 14-June 30	6		Do.
Do	July 1-Oct. 15	3		Do.
Mukden	Nov. 11-24			Present.
Shanghai	Nov. 18-Dec. 16	30	62	Cases, foreign; deaths among natives.
Tientsin	Nov. 11-Dec. 8	7		
Cuba:				
Habana	Jan. 7	1		Nov. 8, 1917: 1 case from Coruna. Dec. 5, 1917: 1 case.
Marianao	Jan. 8	1		6 miles distant from Habana.
Egypt:				
Alexandria	Nov. 12-18	1		
Cairo	July 23-Aug. 5	5	1	
France:				
Lyon	Nov. 18-Dec. 16	6	3	
Great Britain:				
Birmingham	Nov. 11-17	19		
India:				
Bombay	Oct. 21-27	2	1	
Madras	Oct. 31-Nov. 6	4	1	
Indo-China:				
Provinces				Sept. 1-30, 1917: Cases, 193; deaths 58.
Anam	Sept. 1-30	61	12	
Cambodia	do	7		
Cochin-China	do	124	44	
Tonkin	do	1		
Saigon	Oct. 29-Nov. 18	41	12	
Italy:				
Milan	October	2		
Turin	Oct. 29-Dec. 9	123	120	
Castellamare	Dec. 10	2		Among refugees.
Florence	Dec. 1-15	17	4	
Naples	To Dec. 10	2		Do.
Java:				
East Java	Oct. 27-Nov. 10	19		
Mid-Java	Oct. 10-Nov. 21	55		
West Java				Oct. 19-Nov. 29, 1917: Cases, 162, deaths, 23.
Batavia	Nov. 2-8	1		
Mexico:				
Mazatlan	Dec. 5-11		1	
Mexico City	Nov. 11-17	9		
Piedras Negras	Jan. 11	200		

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.

Reports Received from Dec. 29, 1917, to Feb. 1, 1918—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Newfoundland:				
St. Johns	Dec. 8-Jan. 4	25		
Do	Jan. 5-11	14		
Philippine Islands:				
Manila	Oct. 28-Dec. 8	5		
Portugal:				
Lisbon	Nov. 4-10	1		
Portuguese East Africa:				
Lourenço Marques	Aug. 1-Sept. 30		4	
Russia:				
Moscow	Aug. 26-Oct. 6	22	2	
Petrograd	Aug. 31-Oct. 27	59	3	
Spain:				
Coruna	Dec. 2-15		4	
Seville	Oct. 1-Nov. 30		26	
Tunisia:				
Tunis	Dec. 11-20		1	
Venezuela:				
Maracaibo	Dec. 2-8		1	

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Nov. 1-30	2		
Australia:				
South Australia				Nov. 11-17, 1917: Cases, 1.
Brazil:				
Rio de Janeiro	Oct. 28-Dec. 1	7		
Canada:				
Ontario—				
Kingston	Dec. 2-8	3		
Quebec—				
Montreal	Dec. 16-22	2	1	
China:				
Antung	Dec. 3-16	11	1	
Chosen (Formosa):				
Seoul	Nov. 1-30	1		
Egypt:				
Alexandria	Nov. 8-25	110	14	
Cairo	July 23-Sept. 23	23	8	
Port Said	July 30-Sept. 23	3	3	
Great Britain:				
Glasgow	Dec. 21	1		
Manchester	Dec. 2-8	1		
Greece:				
Saloniki	Nov. 11-Dec. 8		36	
Japan:				
Nagasaki	Nov. 26-Dec. 16	5	5	
Java:				
East Java				Oct. 15-Nov. 15, 1917: Cases, 17; deaths, 3.
Mid-Java				Oct. 10-Nov. 13, 1917: Cases, 42; deaths, 2.
Samarang	Oct. 17-Nov. 13	9	1	
West Java				Oct. 19-Nov. 29, 1917: Cases, 36; deaths, 5.
Batavia	Oct. 19-Nov 15	11	7	
Mexico:				
Aguascalientes	Dec. 15		2	
Mexico City	Nov. 11-Dec. 15	337		
Russia:				
Archangel	Sept. 1-14	7	2	
Moscow	Aug. 26-Oct. 6	49	2	
Petrograd	Aug. 31-Oct. 27	22		
Vladivostok	Oct. 29-Nov 4	12	1	
Sweden:				
Goteborg	Nov. 18-24	1		
Tunisia:				
Tunis	Nov. 30-Dec. 6		1	
Union of South Africa:				
Cape of Good Hope State	Sept. 10-Nov. 4	3,342	668	